

MULTIPULS-1003-E2-1

Mobile dual circuit direct current pulse testing unit for surface crack detection and demagnetization of ferritic steel components



Magnetization

Fast, reliable magnetization using direct current pulses

Simultaneous detection of all cracks

Dual electric circuit – alternating magnetization of the parts in 2 directions

High current magnetization

Magnetization with direct current pulses, applied crosswise to the part

Non-Contact MT-Testing

Non-contact magnetization of the part over a dual coil configuration

Picture Documentation

Picture documentation of large MT-test areas possible

Demagnetization

Demagnetization using direct current pulses of declining intensity

Compact design

Power supply and testing unit in one housing

Combined MT-testing

Magnetization with high current and coil

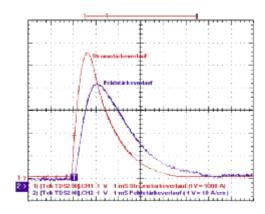
Integrated UV-Lamp with superimposed flood light

Uniform UV-lighting under daylight conditions in accordance with EN ISO 9934-1 for clear crack indication. Superimposed flood light to sort out false crack indications



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Direct current pulse magnetization

Technical data:	MULTIPULS-1003-E2-1
Rated voltage	400-480 VAC, 50/60 Hz
Rated power	7,0 kVA
Service cycle	60%
Testing current	500 A - 30.000 A
Field strength	10 A/cm - 80 A/cm
Pulse frequency	0,5 Hz
Cycle time for	
demagnetization	1 - 99
Taktzeit beim	
Entmagnetisieren	20 - 630 s
Length of testing	
cable	3,0 m (5 m on request)
UV-LED-lamp	With superimposed
•	flood light
	Integrated power
	supply
Testing coils	available upon request
Dimensions	Width = 380 mm
	Height = 500 mm
	Depth = 800 mm
Weight	90 kg
3	

- Pin sharp crack indication because of direct current pulse magnetization
- Clear crack indication already after
 3 pulses = 3 sec
- High performance
- Compact design
- · Low weight
- Single-hand operation via remote control or UV-LED-Lamp
- Superimposed flood light for determination of wrong crack indications
- Interface for integration into a MT-testing machine
- Long service life
- Long service intervals
- Low energy consumption
- · Low consumption of test fluid